840 Request for Quotation

Functional Group ID=**RQ**

Introduction:

This standard provides the format and establishes the data contents of a request for quotation transaction set. The request for quotation transaction set provides potential buyers with the ability to solicit price, delivery schedule, and other items from potential sellers of goods and services.

Notes:

For the purpose of Y2K compliancy, all dates will employ a bridging (windowing or 49/50 rule) application. Bridging is a technique in which a date of 00 - 49 is considered to reference the year 2000, and a year of 50 - 99 is considered to reference the 1900 year.

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BQT	Beginning Segment for Request for Quotation	M	1		
	030	NTE	Note/Special Instruction	F	100		
Not Used	040	CUR	Currency	O	1		
	050	REF	Reference Numbers	O	12		
	060	PER	Administrative Communications Contact	O	3		
Not Used	070	TAX	Tax Reference	O	3		
	080	FOB	F.O.B. Related Instructions	O	1		
Not Used	090	SSS	Special Services	O	25		
Not Used	100	CSH	Header Sale Condition	O	1		
Not Used	110	ITA	Allowance, Charge or Service	O	10		
Not Used	120	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
Not Used	130	DIS	Discount Detail	O	20		
Not Used	140	DTM	Date/Time/Period	O	10		
Not Used	150	LDT	Lead Time	O	12		
Not Used	160	SHH	General Schedule	O	5		
Not Used	170	PRN	Product ID Numbers	O	5		
Not Used	180	PID	Product/Item Description	O	1000		
Not Used	190	MEA	Measurements	O	40		
Not Used	200	PWK	Paperwork	O	25		
Not Used	210	PKG	Marking, Packaging, Loading	O	25		
Not Used	220	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	230	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	240	TD3	Carrier Details (Equipment)	O	12		
Not Used	250	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		

Not Used	260	MAN	Marks and Numbers	O	10	
			LOOP ID - N9			**1000**
	265	N9	Reference Number	O	1	
	267	MSG	Message Text	O	1000	
			LOOP ID - N1			**200**
	270	N1	Name	O	1	
	280	N2	Additional Name Information	O	2	
	290	N3	Address Information	O	2	
	300	N4	Geographic Location	O	1	
Not Used	310	REF	Reference Numbers	O	12	
Not Used	320	PER	Administrative Communications Contact	O	3	
Not Used	330	FOB	F.O.B. Related Instructions	O	1	
Not Used	340	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	350	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	360	TD3	Carrier Details (Equipment)	O	12	
Not Used	370	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	380	PKG	Marking, Packaging, Loading	O	25	
			LOOP ID - PO1			**100000**
Must Use	390	PO1	Purchase Order Baseline Item Data	M	1	
Not Used	400	CUR	Currency	O	1	
Not Used	410	PO3	Additional Item Detail	O	25	
	420	PID	Product/Item Description	O	1000	
	430	MEA	Measurements	O	40	
Not Used	440	PWK	Paperwork	O	25	
	450	PKG	Marking, Packaging, Loading	O	25	
Not Used	460	PO4	Item Physical Details	O	1	
	470	REF	Reference Numbers	O	12	
Not Used	480	PER	Administrative Communications Contact	O	3	
Not Used	490	SSS	Special Services	O	25	
Not Used	500	ITA	Allowance, Charge or Service	O	10	
Not Used	510	IT8	Conditions of Sale	O	1	
Not Used	520	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
Not Used	530	DIS	Discount Detail	O	20	
Not Used	540	TAX	Tax Reference	O	3	
	550	FOB	F.O.B. Related Instructions	O	1	
Not Used	560	SDQ	Destination Quantity	O	50	
	570	DTM	Date/Time/Period	O	10	
	580	LDT	Lead Time	O	12	
	590	SCH	Line Item Schedule	O	104	
Not Used	600	TD1	Carrier Details (Quantity and Weight)	O	1	
Not Used	610	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	620	TD3	Carrier Details (Equipment)	O	12	
Not Used	630	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
	640	MAN	Marks and Numbers	O	10	

			LOOP ID - SLN		1000
Not Used	650	SLN	Subline Item Detail	O	1
Not Used	660	PID	Product/Item Description	O	1000
			LOOP ID - N9		1000
Not Used	665	N9	Reference Number	O	1
Not Used	667	MSG	Message Text	O	1000
			LOOP ID - N1		200
	670	N1	Name	O	1
	680	N2	Additional Name Information	O	2
	690	N3	Address Information	O	2
	700	N4	Geographic Location	O	1
Not Used	710	REF	Reference Numbers	O	12
Not Used	720	PER	Administrative Communications Contact	O	3
Not Used	730	FOB	F.O.B. Related Instructions	O	1
Not Used	740	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	750	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	760	TD3	Carrier Details (Equipment)	O	12
Not Used	770	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	780	PKG	Marking, Packaging, Loading	O	25
Must Use	790	CTT	Transaction Totals	M	1
Must Use	800	SE	Transaction Set Trailer	M	1

	Segment:	**ST** **Transaction Set Header**

Segment: **ST** **Transaction Set Header**

Position: 010

Loop:

Level:

Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number

Syntax Notes:

Semantic Notes:

Comments: **1** The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			840 X12.7 Request for Quotation		
Must Use	ST02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.)		

	Segment:	**BQT** Beginning Segment for Request for Quotation
	Position:	020
	Loop:	
	Level:	
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate the beginning of a Request for Quotation Transaction Set and transmit identifying numbers and dates
	Syntax Notes:	**1** If BQT05 is present, then BQT04 is required.
	Semantic Notes:	
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**BQT01**	**353**	**Transaction Set Purpose Code**	**M**	**ID 2/2**
			Code identifying purpose of transaction set		
			00 Original		
			01 Cancellation		
			04 Change		
Must Use	**BQT02**	**586**	**Request for Quote Reference Number**	**M**	**AN 1/45**
			Number assigned by the purchaser to identify his request for quote		
Must Use	**BQT03**	**652**	**Request Quotation Control Date**	**M**	**DT 6/6**
			Date to be used for reference purposes in an RFQ and a response to RFQ.		
	BQT04	**374**	**Date/Time Qualifier**	**C**	**ID 3/3**
			Code specifying type of date or time, or both date and time		
			Date that the response must be received by the buyer.		
			106 Required By		
	BQT05	**373**	**Date**	**O**	**DT 6/6**
			Date (YYMMDD)		
			All dates specified herein employ the bridging (windowing or 49/50 rule) application.		
Not Used	**BQT06**	**92**	**Purchase Order Type Code**	**O**	**ID 2/2**
			Code specifying the type of Purchase Order		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
	BQT07	**960**	**Request for Quote Type Code**	**O**	**ID 2/2**
			Code specifying the type of request for quote		
			Refer to 002003 Data Element Dictionary for acceptable code values.		

Segment:	**NTE** Note/Special Instruction
Position:	030
Loop:	
Level:	
Usage:	Floating
Max Use:	100
Purpose:	To transmit information in a free-form format, if necessary, for comment or special instruction
Syntax Notes:	
Semantic Notes:	
Comments:	1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
NTE01	363	Note Reference Code	O	ID 3/3

Code identifying the functional area or purpose for which the note applies. Also see: Free Form Message (3).

GEN	Entire Transaction Set
QUT	Quotation Instruction

Ref. Des.	Data Element	Name		Attributes
Must Use NTE02	3	Free Form Message	M	AN 1/60

Free-form text

Segment:	**REF** Reference Numbers	
Position:	050	
Loop:		
Level:		
Usage:	Optional	
Max Use:	12	
Purpose:	To specify identifying numbers.	
Syntax Notes:	**1** At least one of REF02 or REF03 is required.	
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	REF01	128	**Reference Number Qualifier**	M	ID 2/2

Code qualifying the Reference Number.

AT	Appropriation Number
CR	Customer Reference Number
CT	Contract Number
DS	Defense Priorities Allocation System (DPAS) Priority Rating
RQ	Purchase Requisition No.

	Ref. Des.	Data Element	Name	Attributes	
	REF02	127	**Reference Number**	C	AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).

	Ref. Des.	Data Element	Name	Attributes	
	REF03	352	**Description**	C	AN 1/80

A free-form description to clarify the related data elements and their content

Segment:	**PER** Administrative Communications Contact			
Position:	060			
Loop:				
Level:				
Usage:	Optional			
Max Use:	3			
Purpose:	To identify a person or office to whom administrative communications should be directed			
Syntax Notes:	1 If PER03 is present, then PER04 is required.			
Semantic Notes:				
Comments:	1 This segment is used to specify who is to be contacted on various conditions related to the transaction. The term "Communication" in the title and purpose relates to interpersonal communications, not network or telecommunications contacts.			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	PER01	366	**Contact Function Code**	**M**	**ID 2/2**

Code identifying the major duty or responsibility of the person or group named

BD	Buyer Name or Department
OC	Order Contact

	PER02	93	**Name**	**O**	**AN 1/35**

Free-form name

	PER03	365	**Communication Number Qualifier**	**O**	**ID 2/2**

Code identifying the type of communication number

FX	Facsimile
TE	Telephone

	PER04	364	**Communication Number**	**C**	**AN 7/21**

Complete communications number including country or area code when applicable. Also see: Communications Number Qualifier (365).

Not Used	PER05	326	**Request Reference Number**	**O**	**AN 1/45**

Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)

	Segment:	**FOB** F.O.B. Related Instructions
	Position:	080
	Loop:	
	Level:	
	Usage:	Optional
	Max Use:	1
	Purpose:	To specify transportation instructions relating to shipment
	Syntax Notes:	1 If FOB03 is present, then FOB02 is required.
		2 If FOB04 is present, then FOB05 is required.
		3 If FOB07 is present, then FOB06 is required.
	Semantic Notes:	
	Comments:	1 FOB01 indicates which party will pay the carrier.
		2 FOB02 is the code specifying transportation responsibility location.
		3 FOB06 is the code specifying title passage location.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	FOB01	146	**Shipment Method of Payment**	M	ID 2/2
			Code identifying payment terms for transportation charges		
			PP Prepaid (by Seller)		
			ZZ Mutually Defined		
	FOB02	309	**Location Qualifier**	C	ID 1/2
			Code identifying type of Location Identifier (310) used.		
			DE Destination (Shipping)		
			OR Origin (Shipping Point)		
	FOB03	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their content		
Not Used	FOB04	334	**Transportation Terms Qualifier Code**	O	ID 2/2
			Code identifying the source of the transportation terms		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
Not Used	FOB05	335	**Transportation Terms Code**	C	ID 3/6
			Code identifying the trade terms which apply to the shipment transportation responsibility. Six digit codes represent INCOTERMS.		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
	FOB06	309	**Location Qualifier**	C	ID 1/2
			Code identifying type of Location Identifier (310) used.		
			DE Destination (Shipping)		
			OR Origin (Shipping Point)		
	FOB07	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their		

content

	Segment:	**N9** Reference Number
	Position:	265
	Loop:	N9 Optional
	Level:	
	Usage:	Optional
	Max Use:	1
	Purpose:	To transmit identifying numbers and descriptive information as specified by the reference number qualifier
	Syntax Notes:	1 At least one of N902 or N903 is required.
	Semantic Notes:	
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N901	128	**Reference Number Qualifier**	M	ID 2/2
			Code qualifying the Reference Number.		
			CJ Clause Number		
	N902	127	**Reference Number**	C	AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).		
Not Used	N903	369	**Free-form Description**	C	AN 1/45
			Free-form descriptive text		
	N904	373	**Date**	O	DT 6/6
			Date (YYMMDD)		
			All dates specified herein employ the bridging (windowing or 49/50 rule) application.		
Not Used	N905	337	**Time**	O	TM 4/4
			Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).		

	Segment:	**MSG** Message Text
	Position:	267
	Loop:	N9 Optional
	Level:	
	Usage:	Optional
	Max Use:	1000
	Purpose:	To provide a free form format that would allow the transmission of text information.
	Syntax Notes:	
	Semantic Notes:	
	Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**MSG01**	**933**	**Free-Form Message Text**	**M**	**AN 1/264**
			Free-form message text		
Not Used	**MSG02**	**934**	**Printer Carriage Control Code**	**O**	**ID 2/2**
			A field to be used for the control of the line feed of the receiving printer		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
Not Used	**MSG03**	**363**	**Note Reference Code**	**O**	**ID 3/3**
			Code identifying the functional area or purpose for which the note applies. Also see: Free Form Message (3).		
			Refer to 002003 Data Element Dictionary for acceptable code values.		

Segment:	**N1** Name	
Position:	270	
Loop:	N1 Optional	
Level:		
Usage:	Optional	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N101	98	**Entity Identifier Code**	**M**	**ID 2/2**

Code identifying an organizational entity or a physical location.

	BY	Buying Party (Purchaser)

	Ref. Des.	Data Element	Name	Attributes	
	N102	93	**Name**	**C**	**AN 1/35**

Free-form name

	N103	66	**Identification Code Qualifier**	**C**	**ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

	10	Department of Defense Activity Address Code (DODAAC)

	N104	67	**Identification Code**	**C**	**ID 2/17**

Code identifying a party.

Segment:	**N2** Additional Name Information		
Position:	280		
Loop:	N1	Optional	
Level:			
Usage:	Optional		
Max Use:	2		
Purpose:	To specify additional names or those longer than 35 characters in length		
Syntax Notes:			
Semantic Notes:			
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N201	93	Name	M AN 1/35
			Free-form name	
	N202	93	Name	O AN 1/35
			Free-form name	

Segment:	**N3** Address Information	
Position:	290	
Loop:	N1	Optional
Level:		
Usage:	Optional	
Max Use:	2	
Purpose:	To specify the location of the named party	
Syntax Notes:		
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N301	166	**Address Information**	M	AN 1/35
			Free-form field for address information.		
	N302	166	**Address Information**	O	AN 1/35
			Free-form field for address information.		

Segment:	**N4** Geographic Location		
Position:	300		
Loop:	N1	Optional	
Level:			
Usage:	Optional		
Max Use:	1		
Purpose:	To specify the geographic place of the named party		
Syntax Notes:	1	At least one of N401 or N405 is required.	
	2	If N401 is present, then N402 is required.	
	3	If either N405 or N406 is present, then the other is required.	
Semantic Notes:			
Comments:	1	A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.	
	2	N402 is required only if city name (N401) is in the USA or Canada.	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	N401	**19**	**City Name**	**C**	**AN 2/19**
			Free-form text for city name		
	N402	**156**	**State or Province Code**	**C**	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency		
	N403	**116**	**Postal Code**	**O**	**ID 5/9**
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
Not Used	**N404**	**26**	**Country Code**	**O**	**ID 2/2**
			Code identifying the country		
Not Used	**N405**	**309**	**Location Qualifier**	**C**	**ID 1/2**
			Code identifying type of Location Identifier (310) used.		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
Not Used	**N406**	**310**	**Location Identifier**	**C**	**AN 1/25**
			Code which identifies a specific location		

	Segment:	**PO1** Purchase Order Baseline Item Data
	Position:	390
	Loop:	PO1 Mandatory
	Level:	
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To specify basic and most frequently used purchase order line item data
	Syntax Notes:	1 If PO105 is present, then PO104 is required.
		2 If PO106 is present, then PO107 is required.
		3 If PO108 is present, then PO109 is required.
		4 If PO110 is present, then PO111 is required.
		5 If PO112 is present, then PO113 is required.
		6 If PO114 is present, then PO115 is required.
		7 If PO116 is present, then PO117 is required.
		8 If PO118 is present, then PO119 is required.
		9 If PO120 is present, then PO121 is required.
		10 If PO122 is present, then PO123 is required.
		11 If PO124 is present, then PO125 is required.
	Semantic Notes:	
	Comments:	1 See the Data Dictionary for a complete list of ID's.
		2 PO101 is the line item identification.
		3 PO106 through PO125 provide for ten (10) different product/service ID's per each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	PO101	350	**Assigned Identification**	M	**AN 1/6**
			Alphanumeric characters assigned for differentiation within a transaction set		
			Requirement line item number		
Must Use	PO102	330	**Quantity Ordered**	M	**R 1/9**
			Quantity ordered		
Must Use	PO103	355	**Unit or Basis for Measurement Code**	M	**ID 2/2**
			Code identifying the basic unit of measurement.		
			Some codes must be mutually agreed upon. DoD Manual 5000.12M and ASX X12 dictionary must be reconciled. Use "ZZ" for conflicting codes.		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
Not Used	PO104	212	**Unit Price**	C	**R 1/14**
			Price per unit of product, service, commodity, etc.		
Not Used	PO105	639	**Basis of Unit Price Code**	O	**ID 2/2**
			Code identifying the type of unit price for an item		

Refer to 002003 Data Element Dictionary for acceptable code values.

| | **PO106** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

      FS   Federal Stock Classification and/or National Stock Number

| | **PO107** | **234** | **Product/Service ID** | **C** | **AN 1/30** |

Identifying number for a product or service

| | **PO108** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

      PD   Part Number Description

| | **PO109** | **234** | **Product/Service ID** | **C** | **AN 1/30** |

Identifying number for a product or service

| | **PO110** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

      CG   Commodity Grouping

| | **PO111** | **234** | **Product/Service ID** | **C** | **AN 1/30** |

Identifying number for a product or service

| | **PO112** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

      VP   Vendor's (Seller's) Part Number

| | **PO113** | **234** | **Product/Service ID** | **C** | **AN 1/30** |

Identifying number for a product or service

| **Not Used** | **PO114** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 002003 Data Element Dictionary for acceptable code values.

| **Not Used** | **PO115** | **234** | **Product/Service ID** | **C** | **AN 1/30** |

Identifying number for a product or service

| **Not Used** | **PO116** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 002003 Data Element Dictionary for acceptable code values.

| **Not Used** | **PO117** | **234** | **Product/Service ID** | **C** | **AN 1/30** |

Identifying number for a product or service

| **Not Used** | **PO118** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 002003 Data Element Dictionary for acceptable code values.

| Not Used | PO119 | 234 | **Product/Service ID** | C | **AN 1/30** |

Identifying number for a product or service

| Not Used | PO120 | 235 | **Product/Service ID Qualifier** | O | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 002003 Data Element Dictionary for acceptable code values.

| Not Used | PO121 | 234 | **Product/Service ID** | C | **AN 1/30** |

Identifying number for a product or service

| Not Used | PO122 | 235 | **Product/Service ID Qualifier** | O | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 002003 Data Element Dictionary for acceptable code values.

| Not Used | PO123 | 234 | **Product/Service ID** | C | **AN 1/30** |

Identifying number for a product or service

| Not Used | PO124 | 235 | **Product/Service ID Qualifier** | O | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 002003 Data Element Dictionary for acceptable code values.

| Not Used | PO125 | 234 | **Product/Service ID** | C | **AN 1/30** |

Identifying number for a product or service

Segment:	**PID** Product/Item Description		
Position:	420		
Loop:	PO1	Mandatory	
Level:			
Usage:	Optional		
Max Use:	1000		
Purpose:	To describe a product or process in coded or free-form format		
Syntax Notes:	1	If PID03 is present, then PID04 is required.	
	2	At least one of PID04 or PID05 is required.	
Semantic Notes:			
Comments:	1	Use PID03 to indicate the organization that publishes the code list being referred to.	
	2	PID04 should be used for industry-specific product description codes.	
	3	Use PID06 when necessary to refer to the product surface or layer being described in the segment.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	PID01	349	**Item Description Type**	**M**	**ID 1/1**
			Code indicating the format of a description		
			F Free-form		
Not Used	PID02	750	**Product/Process Characteristic Code**	**O**	**ID 2/3**
			Code specifying the product or process characteristic being described.		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
Not Used	PID03	348	**Item Description Qualifier**	**O**	**ID 2/2**
			Code identifying agency responsible for the code used.		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
Not Used	PID04	751	**Product Description Code**	**C**	**ID 1/12**
			A code from an industry code list which provides specific data about a product characteristic. Also see: Item Description Qualifier (348).		
	PID05	352	**Description**	**C**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
Not Used	PID06	752	**Surface/Layer/Position Code**	**O**	**ID 2/2**
			Code indicating the product surface, layer or position that is being described		
			Refer to 002003 Data Element Dictionary for acceptable code values.		

Segment:	**MEA** Measurements	
Position:	430	
Loop:	PO1	Mandatory
Level:		
Usage:	Optional	
Max Use:	40	
Purpose:	To specify physical measurements, including dimension tolerances, weights and counts.	
Syntax Notes:		
Semantic Notes:		
Comments:	1	When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
MEA01	**737**	**Measurement Reference ID Code**	**O**	**ID 2/2**
		Code specifying the application of physical measurement cited.		
		CT Counts		
MEA02	**738**	**Measurement Qualifier**	**O**	**ID 1/3**
		Code identifying the type of measurement.		
		PO Percent of Order (-, +)		
		Expression of allowable variance of order expressed either as absolute (for example 92% to 110%) or relative percent (for example - 8% to + 10%)		
Not Used **MEA03**	**739**	**Measurement Value**	**C**	**R 1/10**
		The value of the measurement		
MEA04	**355**	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**
		Code identifying the basic unit of measurement.		
		P1 Percent		
MEA05	**740**	**Range Minimum**	**C**	**R 1/10**
		The value specifying the minimum of the measurement range		
MEA06	**741**	**Range Maximum**	**C**	**R 1/10**
		The value specifying the maximum of the measurement range		
Not Used **MEA07**	**935**	**Measurement Significance Code**	**C**	**ID 2/2**
		Code used to benchmark, qualify or further define a measurement value		
		Refer to 002003 Data Element Dictionary for acceptable code values.		
Not Used **MEA08**	**936**	**Measurement Attribute Code**	**C**	**ID 2/2**
		Code used to express an attribute response when a numeric measurement value cannot be determined		
		Refer to 002003 Data Element Dictionary for acceptable code values.		

Not Used **MEA09** **752** **Surface/Layer/Position Code** **C** **ID 2/2**

Code indicating the product surface, layer or position that is being described

Refer to 002003 Data Element Dictionary for acceptable code values.

Segment:	**PKG** Marking, Packaging, Loading	
Position:	450	
Loop:	PO1	Mandatory
Level:		
Usage:	Optional	
Max Use:	25	
Purpose:	To describe marking, packaging, loading, and unloading requirements	
Syntax Notes:	1	If PKG03 is present, then PKG04 is required.
	2	At least one of PKG04 or PKG05 is required.
Semantic Notes:		
Comments:	1	Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
	2	Use PKG03 to indicate the organization that publishes the code list being referred to.
	3	PKG04 should be used for industry-specific packaging description codes.
	4	Special marking or tagging data can be given in PKG05 (description).

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	PKG01	349	**Item Description Type**	M	ID 1/1
			Code indicating the format of a description		
			F Free-form		
	PKG02	753	**Packaging Characteristic Code**	O	ID 1/5
			Code specifying the marking, packaging, loading and related characteristics being described		
			36 Package Specifications		
	PKG03	348	**Item Description Qualifier**	O	ID 2/2
			Code identifying agency responsible for the code used.		
			ZZ Mutually Defined		
	PKG04	754	**Packaging Description Code**	C	ID 1/7
			A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product. Also see: Item Description Qualifier (348).		
	PKG05	352	**Description**	C	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment:	**REF** Reference Numbers	
Position:	470	
Loop:	PO1	Mandatory
Level:		
Usage:	Optional	
Max Use:	12	
Purpose:	To specify identifying numbers.	
Syntax Notes:	1 At least one of REF02 or REF03 is required.	
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**REF01**	**128**	**Reference Number Qualifier**	**M**	**ID 2/2**

Code qualifying the Reference Number.

CR   Customer Reference Number

    Applies to applicability of aircraft type

RQ   Purchase Requisition No.

	Ref. Des.	Data Element	Name	Attributes	
	REF02	**127**	**Reference Number**	**C**	**AN 1/30**

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).

	Ref. Des.	Data Element	Name	Attributes	
Not Used	**REF03**	**352**	**Description**	**C**	**AN 1/80**

A free-form description to clarify the related data elements and their content

Segment:	**FOB** F.O.B. Related Instructions	
Position:	550	
Loop:	PO1	Mandatory
Level:		
Usage:	Optional	
Max Use:	1	
Purpose:	To specify transportation instructions relating to shipment	
Syntax Notes:	1	If FOB03 is present, then FOB02 is required.
	2	If FOB04 is present, then FOB05 is required.
	3	If FOB07 is present, then FOB06 is required.
Semantic Notes:		
Comments:	1	FOB01 indicates which party will pay the carrier.
	2	FOB02 is the code specifying transportation responsibility location.
	3	FOB06 is the code specifying title passage location.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	**FOB01**	**146**	**Shipment Method of Payment**	**M**	**ID 2/2**
			Code identifying payment terms for transportation charges		
			PP Prepaid (by Seller)		
			ZZ Mutually Defined		
	FOB02	**309**	**Location Qualifier**	**C**	**ID 1/2**
			Code identifying type of Location Identifier (310) used.		
			DE Destination (Shipping)		
			OR Origin (Shipping Point)		
	FOB03	**352**	**Description**	**O**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
Not Used	**FOB04**	**334**	**Transportation Terms Qualifier Code**	**O**	**ID 2/2**
			Code identifying the source of the transportation terms		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
Not Used	**FOB05**	**335**	**Transportation Terms Code**	**C**	**ID 3/6**
			Code identifying the trade terms which apply to the shipment transportation responsibility. Six digit codes represent INCOTERMS.		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
	FOB06	**309**	**Location Qualifier**	**C**	**ID 1/2**
			Code identifying type of Location Identifier (310) used.		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
	FOB07	**352**	**Description**	**O**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		

Segment:	**DTM** Date/Time/Period		
Position:	570		
Loop:	PO1	Mandatory	
Level:			
Usage:	Optional		
Max Use:	10		
Purpose:	To specify pertinent dates and times		
Syntax Notes:	1	At least one of DTM02 or DTM03 is required.	
Semantic Notes:			
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	DTM01	374	**Date/Time Qualifier**	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			075 Promised for Delivery (Prior to and Including)		
	DTM02	373	**Date**	C	DT 6/6
			Date (YYMMDD)		
			1. Required delivery date.		
			2. All dates specified herein employ the bridging (windowing or 49/50 rule) application.		
Not Used	DTM03	337	**Time**	C	TM 4/4
			Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).		
Not Used	DTM04	623	**Time Code**	O	ID 2/2
			Code qualifying the time zone.		
			Refer to 002003 Data Element Dictionary for acceptable code values.		

Segment:	**LDT** Lead Time	
Position:	580	
Loop:	PO1	Mandatory
Level:		
Usage:	Optional	
Max Use:	12	
Purpose:	To specify lead time for availability of products and services	
Syntax Notes:		
Semantic Notes:		
Comments:	1 LDT04 is the effective date of lead time information.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	LDT01	345	**Lead Time Code**	**M**	**ID 2/2**

Code indicating the time range

AA	From date of PO receipt to sample ready
	Indicates delivery of "First Article"
AF	From date of PO receipt to delivery

	Ref. Des.	Data Element	Name	Attributes	
Must Use	LDT02	380	**Quantity**	**M**	**R 1/10**

Numeric value of Quantity. Also see: Unit of Measurement Code (355).

Must Use	LDT03	344	**Unit of Time Period or Interval**	**M**	**ID 2/2**

Code indicating the time period or interval

Refer to 002003 Data Element Dictionary for acceptable code values.

Not Used	LDT04	373	**Date**	**O**	**DT 6/6**

Date (YYMMDD)

	Segment:	**SCH** Line Item Schedule
	Position:	590
	Loop:	PO1 Mandatory
	Level:	
	Usage:	Optional
	Max Use:	104
	Purpose:	To specify the data for scheduling a specific line-item
	Syntax Notes:	1 If SCH04 is present, then SCH05 is required.
		2 If SCH10 is present, then SCH09 is required.
	Semantic Notes:	
	Comments:	1 SCH06 specifies the interpretation to be used for SCH07 and SCH08.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	SCH01	380	**Quantity**	M	**R 1/10**
			Numeric value of Quantity. Also see: Unit of Measurement Code (355).		
Must Use	SCH02	355	**Unit or Basis for Measurement Code**	M	**ID 2/2**
			Code identifying the basic unit of measurement.		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
	SCH03	352	**Description**	O	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
	SCH04	98	**Entity Identifier Code**	O	**ID 2/2**
			Code identifying an organizational entity or a physical location.		
			ST Ship To		
	SCH05	93	**Name**	C	**AN 1/35**
			Free-form name		
Must Use	SCH06	374	**Date/Time Qualifier**	M	**ID 3/3**
			Code specifying type of date or time, or both date and time		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
Must Use	SCH07	373	**Date**	M	**DT 6/6**
			Date (YYMMDD)		
			All dates specified herein employ the bridging (windowing or 49/50 rule) application.		
Not Used	SCH08	337	**Time**	O	**TM 4/4**
			Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).		
Not Used	SCH09	374	**Date/Time Qualifier**	C	**ID 3/3**
			Code specifying type of date or time, or both date and time		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
Not Used	SCH10	373	**Date**	C	**DT 6/6**

Date (YYMMDD)

Not Used   SCH11   337   Time   O   TM 4/4

Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).

Segment: **MAN** **Marks and Numbers**

Position:	640
Loop:	PO1 Mandatory
Level:	
Usage:	Optional
Max Use:	10
Purpose:	To indicate identifying marks and numbers for shipping containers
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**MAN01**	**88**	**Marks and Numbers Qualifier**	**M**	**ID 1/2**

Code specifying the application or source of Marks and Numbers (87)

Use this code to indicate "Mark For" instructions in addition to the "Ship-to".

> L   Line Item Only

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**MAN02**	**87**	**Marks and Numbers**	**M**	**AN 1/45**

Marks and numbers used to identify a shipment or parts of a shipment. Also see: Marks and Numbers Qualifier (88).

Segment:	**N1** Name
Position:	670
Loop:	N1 Optional
Level:	
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N101	98	**Entity Identifier Code**	M	ID 2/2
			Code identifying an organizational entity or a physical location.		
			ST Ship To		
	N102	93	**Name**	C	AN 1/35
			Free-form name		
	N103	66	**Identification Code Qualifier**	C	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			1 Dun and Bradstreet (Credit Reporting) (DUNS)		
			10 Department of Defense Activity Address Code (DODAAC)		
			92 Assigned by Buyer		
	N104	67	**Identification Code**	C	ID 2/17
			Code identifying a party.		

Segment:	**N2** Additional Name Information	
Position:	680	
Loop:	N1	Optional
Level:		
Usage:	Optional	
Max Use:	2	
Purpose:	To specify additional names or those longer than 35 characters in length	
Syntax Notes:		
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N201	93	**Name**	M AN 1/35
			Free-form name	
	N202	93	**Name**	O AN 1/35
			Free-form name	

Segment:	**N3** Address Information
Position:	690
Loop:	N1 Optional
Level:	
Usage:	Optional
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N301	166	**Address Information**	M	**AN 1/35**
			Free-form field for address information.		
	N302	166	**Address Information**	O	**AN 1/35**
			Free-form field for address information.		

Segment:	**N4** Geographic Location	
Position:	700	
Loop:	N1 Optional	
Level:		
Usage:	Optional	
Max Use:	1	
Purpose:	To specify the geographic place of the named party	
Syntax Notes:	1	At least one of N401 or N405 is required.
	2	If N401 is present, then N402 is required.
	3	If either N405 or N406 is present, then the other is required.
Semantic Notes:		
Comments:	1	A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2	N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	N401	**19**	**City Name**	**C**	**AN 2/19**
			Free-form text for city name		
	N402	**156**	**State or Province Code**	**C**	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency		
	N403	**116**	**Postal Code**	**O**	**ID 5/9**
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
Not Used	**N404**	**26**	**Country Code**	**O**	**ID 2/2**
			Code identifying the country		
Not Used	**N405**	**309**	**Location Qualifier**	**C**	**ID 1/2**
			Code identifying type of Location Identifier (310) used.		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
Not Used	**N406**	**310**	**Location Identifier**	**C**	**AN 1/25**
			Code which identifies a specific location		

	Segment:	**CTT** Transaction Totals
	Position:	790
	Loop:	
	Level:	
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To transmit a hash total for a specific element in the transaction set
	Syntax Notes:	1 If CTT03 is present, then CTT04 is required.
		2 If CTT05 is present, then CTT06 is required.
	Semantic Notes:	
	Comments:	1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	CTT01	354	**Number of Line Items**	M	N0 1/6
			Total number of line items in the transaction set		
Not Used	CTT02	347	**Hash Total**	O	R 1/10
			Sum of values of the specific data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the leftmost digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three digit field.		
Not Used	CTT03	81	**Weight**	O	R 1/8
			Numeric value of weight. Also see: Weight Qualifier (187), Weight Unit Qualifier (188), Unit of Measurement Code (355.)		
Not Used	CTT04	355	**Unit or Basis for Measurement Code**	C	ID 2/2
			Code identifying the basic unit of measurement.		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
Not Used	CTT05	183	**Volume**	O	R 1/8
			Value of volumetric measure. Also see: Volume Unit Qualifier (184), Unit of Measurement Code (355.)		
Not Used	CTT06	355	**Unit or Basis for Measurement Code**	C	ID 2/2
			Code identifying the basic unit of measurement.		
			Refer to 002003 Data Element Dictionary for acceptable code values.		
Not Used	CTT07	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment:	**SE** Transaction Set Trailer	
Position:	800	
Loop:		
Level:		
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).	
Syntax Notes:		
Semantic Notes:		
Comments:	**1**	SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	SE01	96	**Number of Included Segments**	M	N0 1/6
			Total number of segments included in a transaction set including ST and SE segments		
Must Use	SE02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.)		